FORMATTED ALIGNMENTS

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                                          10                  20                    30
FL Dog Cath Protein Met-Stop  M E T Q K D S P S L  G R W S L L L L L L  G L V I T P A A - S
PR-39 cDNA Translation        M E T Q R A S L C L  G R W S L W L L L L  A L V V P S A S - A
II37 full length              M K T Q R N G H S L  G R W S L V L L L L  G L V M P L A I I A
cramp full length             M Q F Q R D V P S L  W L W R S L S L L L  L L G L G F S Q - -
Goat Cath-P82018 Bactenecin 5 M E T Q G A S L S L  G R W S L W L L L L  G L V V P L A S - A
                              M E T Q R   S   S L  G R W S L   L L L L  G L V   P   A   I A


                                          40                  50                    60
FL Dog Cath Protein Met-Stop  R A L S Y R E A V L  R A V N G F N Q R S  S E E N L Y R L L Q
PR-29 cDNA Tanslation         Q A L S Y R E A V L  R A V D R L N E Q S  S E A N L Y R L L E
II37 full length              Q V L S Y K E A V L  R A I D G L N Q R S  S D A N L Y R L L D
cramp full length             - T P S Y R D A V L  R A V D D F N Q Q S  L D T N L Y R L L D
Goat Cath-P82018 Bactenecin 5 Q A L S Y R E A V L  R A V G Q L N E R S  S E A N L Y R L L
                              Q A L S Y R E A V L  R A V D   N Q R S    S E A N L Y R L L


                                          70                  80                    90
FL Dog Cath Protein Met-Stop  L N S Q P K G D E D  P N I P K P V S F T  V K E T V C P K T T
PR-39 cDNA Translation        L D Q P P K A D E D  P G T P K P V S F T  V K E T V C P R P T
II37 full length              L D P R P T M D G D  P D T P K P V S F T  V K E T V C P R T T
cramp full length             L D P E P Q G D E D  P D T P K S V R F R  V K E T V C G K A E
Goat Cath-P82018 Bactenecin 5 L D P A P N D E V D  P G T R K P V S F T  V K E T V C P R T T
                              L D P   P   D E D    T P K P V S F T      V K E T V C P R T T


                                          100                 110                   120
FL Dog Cath Protein Met-Stop  Q Q P L E Q C G F K  D N G L V K Q C E G  T V L L D E D T G Y
PR-39 cDNA Translation        R Q P P E L C D F K  E N G R V K Q C V G  T V T L N P S I H S
II37 full length              Q Q S P E D C D F K  K D G L V K R C M G  T V T L N Q A R G S
cramp full length             R Q L P E Q C A F K  E Q G V V K Q C M G  A Y T L N P A A D S
Goat Cath-P82018 Bactenecin 5 Q Q P P E E C D F K  E N G L V K Q C V G  T V T L D P S N D Q
                              Q Q P P E   C D F K  E N G L V K Q C   G  T V T L N P         S


                                          130                 140                   150
FL Dog Cath Protein Met-Stop  F D L N C D S - - I  L Q V K K I D R - -  L K E L I T T G A Q
PR-39 cDNA Translation        L D I S C N E - - I  Q S V R R R P - - -  R P P Y L P R P R P
II37 full length              F D I S C D K - - D  N K R F A L L G - -  - D F F R K S K E
cramp full length             F D I S C N E P G A  Q P F R F K K I S R  L A G L L R K G G E
Goat Cath-P82018 Bactenecin 5 F D I N C N E - - L  Q S V R F R P P I R  R P P I R P - P F N
                              F D I S C N E P G    Q   V R       R


                                          160                 170                   180
FL Dog Cath Protein Met-Stop  K I G K K I R R I G  Q R I K D F L K N L  Q P R - - E E K S '
PR-39 cDNA Translation        P P F F P P R L P P  R I P P G F P P R F  P P R - - F P G K R
II37 full length              K I G K E F K R I V  Q R I K D F L R N L  V P R T E S
cramp full length             K I G E K I G Q K I  K N F F Q K L V P Q  - - P E Q
Goat Cath-P82018 Bactenecin 5 P P F R P P V R P P  F R P F R P P F R P  P I G P F P G R R
                              K I G       R I      Q R I K   F     L    P R               R
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